

**ABSTRACT**

5 A transdermal formulation for external application comprising a non-steroidal anti-inflammatory analgesic, an alkyl ester of gallic acid, and a phenolic radical scavenger having a branched-chain lower alkyl group.

An interleukin-1 $\alpha$  production inhibitor consisting of a phenolic radical scavenger having a branched-chain lower alkyl group, and/or an alkyl ester of gallic acid.